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NOTICE OF ALLOWANCE AND FEE(S) DUE

24114

7590

01/16/2009

LyondellBasell Industries 3801 WEST CHESTER PIKE NEWTOWN SQUARE, PA 19073 EXAMINER

NGUYEN, HUY TRAM

ART UNIT PAPER NUMBER

1797

DATE MAILED: 01/16/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/552,853	10/12/2005	Rainer Karer	LU 6098 (US)	2604

TITLE OF INVENTION: DISCONTINUOUS METERING OF CATALYSTS AND PROCESS AUXILIARIES INTO A GAS-PHASE FLUIDIZED-BED

REACTOR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	04/16/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correcte maintenance fee notificat	correspondence includir d below or directed oth	ng the Patent, advance of the Patent, advance of the Patent, advance of the Patent (1) and the Patent (1) and the Patent (1) are the Patent (1) and the Patent (1) and the Patent (1) and the Patent (1) are the Patent (1) and the Patent (1) are the Patent (1) and the Patent (1) are the Patent (1) ar	orders and notification of a a) specifying a new corre	maintenance fees will spondence address; a	Il be mailed to the curren	it correspondence address as parate "FEE ADDRESS" for
CURRENT CORRESPONDE	ENCE ADDRESS (Note: Use Bl	ock 1 for any change of address)	Fee	(s) Transmittal. This	certificate cannot be used	for domestic mailings of the for any other accompanying ent or formal drawing, must
LyondellBasell 3801 WEST CH NEWTOWN SQ		/2009		Certi	ficate of Mailing or Tran	
			_			(Depositor's name)
			_			(Signature)
						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	L J	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/552,853	10/12/2005		Rainer Karer		LU 6098 (US)	2604
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nonprovisional	NO	\$1510	\$300	\$0	\$1810	04/16/2009
EXAM	INER	ART UNIT	CLASS-SUBCLASS			
NGUYEN, H	IUY TRAM	1797	208-146000	_		
"Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME ADDRESSED NOTE: Unl	ess an assignee is identi n in 37 CFR 3.11. Comp	" Indication form ned. Use of a Customer A TO BE PRINTED ON ified below, no assignee	(1) the names of up to or agents OR, alternati (2) the name of a single registered attorney or 2 registered patent attolisted, no name will be THE PATENT (print or tyle data will appear on the por a substitute for filing an (B) RESIDENCE: (CITY	vely, le firm (having as a ragent) and the names orneys or agents. If no printed. pe) latent. If an assigned assignment.	nember a 2	document has been filed for
4a. The following fee(s) a Issue Fee Publication Fee (N		4 permitted)	b. Payment of Fee(s): (Plea A check is enclosed. Payment by credit can	ase first reapply any	previously paid issue fed is attached. e the required fee(s), any c	,
a. Applicant claims	tus (from status indicated s SMALL ENTITY statu d Publication Fee (if requestroords of the United Sta	ıs. See 37 CFR 1.27.	b. Applicant is no lon	ger claiming SMALI	LENTITY status. See 37 C	
Authorized Cianata				Data		
Authorized Signature Typed or printed name						
an application. Confident submitting the completed his form and/or suggesti	iality is governed by 35 I application form to the ons for reducing this bu	U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th	1.14. This collection is es depending upon the indiv e Chief Information Office	timated to take 12 m vidual case. Any con er. U.S. Patent and T	inutes to complete, includ- nments on the amount of t rademark Office, U.S. De	nd by the USPTO to process) ing gathering, preparing, and ime you require to complete partment of Commerce, P.O. for Patents, P.O. Box 1450,

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10/552,853	10/12/2005	Rainer Karer	LU 6098 (US) 2604		
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3801 WEST CHESTER PIKE			ART UNIT	PAPER NUMBER	
NEWTOWN SQU	ARE, PA 19073		1797		
			DATE MAILED: 01/16/2009		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 637 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 637 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Annliestien Ne	Annlinent(n)	
	Application No.	Applicant(s)	
Nation of Allowability	10/552,853	KARER ET AL.	
Notice of Allowability	Examiner	Art Unit	
	HUY-TRAM NGUYEN	1797	
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in to or other appropriate communates. This application is sulfated in the communates of the communates of the community o	nis application. If not included ication will be mailed in due course.	
1. 🔀 This communication is responsive to the amendment on N	<u>ovember 17, 2008</u> .		
2. The allowed claim(s) is/are 1-5,8-13 and 18.			
3. ☑ Acknowledgment is made of a claim for foreign priority ur a) ☑ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have	e been received.	•	
2. Certified copies of the priority documents have	, ,		41
3. Copies of the certified copies of the priority do	cuments have been received i	n this national stage application from	tne
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm	IENT of this application.		
INFORMAL PATENT APPLICATION (PTO-152) which give	es reason(s) why the oath or d		
5. CORRECTED DRAWINGS (as "replacement sheets") mus			
(a) ☐ including changes required by the Notice of Draftspers	-	PTO-948) attached	
1) hereto or 2) to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.			ı
each sheet. Replacement sheet(s) should be labeled as such in t			
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 			
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5 D Notice of Info	rmal Patant Application	
 □ Notice of References Cited (PTO-892) □ Notice of Draftperson's Patent Drawing Review (PTO-948) 		rmal Patent Application	
 Information Disclosure Statements (PTO/SB/08), 		ail Date mendment/Comment	
Paper No./Mail Date4. Examiner's Comment Regarding Requirement for Deposit		atement of Reasons for Allowance	
of Biological Material	9.		

DETAILED ACTION

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Shao-Hua Guo on January 13, 2009. The application has been amended as follows:

Claims 14, 15, 16, 17 and 19 which are drawn to apparatuses have been cancelled.

2. The following is an examiner's statement of reasons for allowance:

Regarding Claim 1, the closest prior art, Calvert et al. (US Patent No.

3,876,602) reference discloses the method as claimed in claim 1 except for the first fluid stream is introduced discontinuously for a period of from 0.5 to 60 s and the catalyst is metered in after a delay of from 0.5 to 3 s after commencement of the introduction of the first fluid stream. Calvert et al. reference discloses the steps of metering catalyst into the capillary tube **before** the first fluid stream is introduced.

Claims 2-5, 8-13 and 18 directly or indirectly depend on Claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to HUY-TRAM NGUYEN whose telephone number is (571)270-3167. The examiner can normally be reached on MON- THURS: 6:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Walter Griffin can be reached on 571-272-1447. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

HTN 1/13/09

/Walter D. Griffin/ Supervisory Patent Examiner, Art Unit 1797